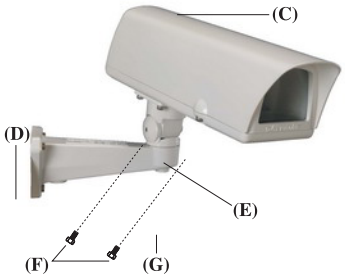
Model No.: TPH 5000 series

User's Manual

. Introduction

The TPH 5000 series Camera Housing is constructed from die-cast aluminium and is powder coated and stove finished.The design and manufacture is to the highest technical standard with environmental protection to level IP 67. The Housing is supplied complete with an adjustable Fully-Cable-Managed Mounting Bracket.(the concealed cable channel inside mounting bracket)

. Mounting configuration of TPH 5000



1. Use the rear section of the Mounting Bracket (D) as a template for marking the position on the wall of the Mounting Holes (H). Remove & drill to pattern required.
2. Attach the Mounting Bracket arm to the wall using the rawlplugs and screws provided.
3. Feed cables from the main Housing (C) through the hole of Mounting Plate (E) on the Mounting Bracket (D) ,then feed cable again to concealed channel inside the Mounting Bracket throughout wall outlet (A) or bracket outlet (B).
4. Attach the main Housing (C) to the Mounting Plate(E) of Bracket with 4 of 1/4" x 14.7 mm Trilobular screws (F) provided.
5. Release Screw (G) on the Mounting Bracket to pan and tilt the Housing . Position the Housing as required for the correct Camera coverage then tighten both Screws to secure.

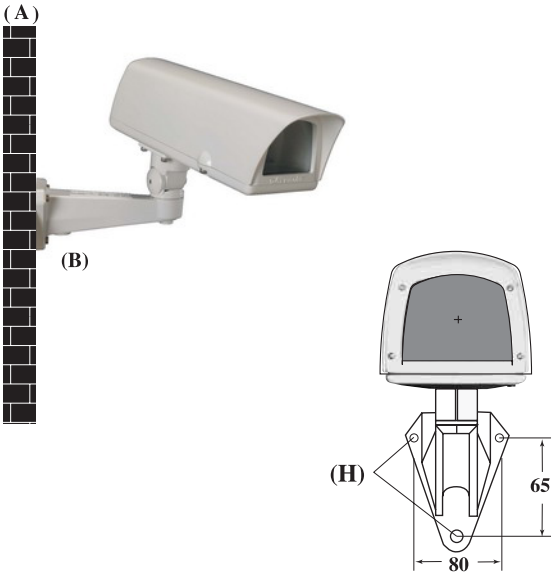
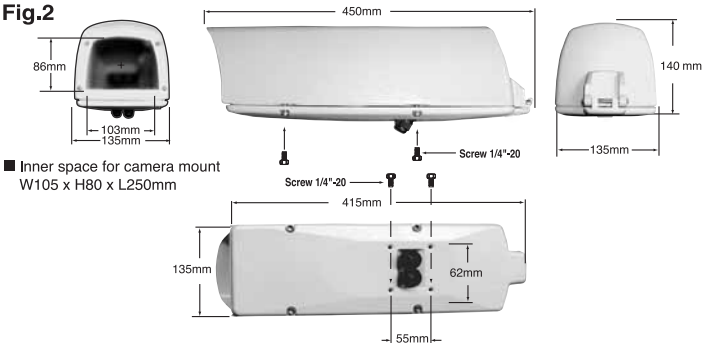


Fig.2



■ Inner space for camera mount
W105 x H80 x L250mm

. Fitting instructions for camera

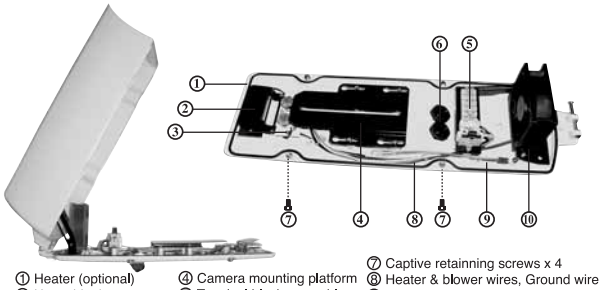
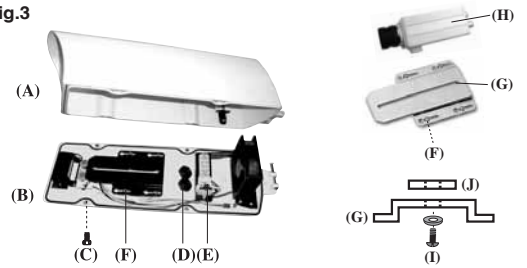

① Heater (optional)
② Heat shield
③ Thermal control board
④ Camera mounting platform
⑤ Terminal block assembly
⑥ Cable conduits PGB11 x 2
⑦ Captive retainning screws x 4
⑧ Heater & blower wires, Ground wire
⑨ Ground wire
⑩ Blower (optional)

Fig.3



1. Unscrew the 3 captive Retaining Screws (C) and remove the Housing Cover (A) from the Housing Base (B).
2. Release the 4 Keyhole Screws (F) and then slide and withdraw the Camera Platform (G) from the Housing Base (B).
3. Mount the Camera (H) onto Platform (G) using the 1/4" UNC Screw (I) Supplied, ensuring that the Insulation Pad (J) is mounted between the Platform and the Camera. Always check that the Camera is firmly attached to the Platform.
4. Connect the Camera / Heater power cable to the rear Terminal Block (E) through the first Cable Conduit (D) referring to the circuit diagram shown in section IV. for the terminal designations.
5. Connect the video cable to the Camera through the second Cable Conduit(D).

IMPORTANT NOTE:

ALWAYS UNPLUG THE TOP SECTION OF THE EARTH WIRE FROM THE BASE WIRE WHEN DISASSEMBLING THE HOUSING. REMEMBER TO PLUG THE TOP AND BOTTOM TOGETHER AGAIN WHEN REASSEMBLING THE HOUSING.

. Wiring diagram

Fig.4 shows the internal wiring diagram of TPH 5000 for the window demister. A spare 6 way terminal block is provided at the rear of the enclosure for the camera when necessary and lens connections. Circuit identified as follows:

TB.1	6 way terminal block		H.1	Heater	12 VDC
TB.2	3 way terminal block			Heater	24 VAC
FTB.1	Fused terminal block			Heater	110 VAC
FS.1	3 Amp. Fuse			Heater	230 VAC
STAT.1	28	Thermostat	B.2	Blower	12 VDC
STAT.2	35	Thermostat		Blower	24 VAC
P.C.B.1	Thermal control circuit board		PSU	Power supply unit 80-260V	

Fig.4 Wiring diagram of TPH 5000